



3. (Original) The method of claim 1, wherein each of said plurality of tones transmits a single data symbol during a single symbol period.

4. (Original) The method of claim 1, wherein said delaying steps delay each successive symbol by a predefined time period.

5. (Original) The method of claim 4, wherein said predefined time period is substantially uniform for all data symbols.

6. (Original) The method of claim 5, wherein said predefined time period corresponds to a single symbol time period.

7. (Original) The method of claim 1, wherein said packet data is modulated in accordance with DMT modulation.

8. (Original) The method of claim 1, wherein said packet data is modulated in accordance with VCMT.

9. (Original) The method of claim 5, wherein said first packet data symbols are arranged as one or more diagonal arrangement of symbols when viewed over time.

10. (Original) The method of claim 9, wherein said one or more diagonal arrangement of symbols are grouped into a group.

11. (Original) The method of claim 9, wherein said second packet data symbols are arranged as one or more diagonal arrangement of symbols when viewed over time, and wherein a first symbol of said first packet diagonal arrangements is transmitted earlier in time with respect to a first symbol of said second packet diagonal arrangements.

12. (Currently Amended) A method of transmitting data of at least two packets to provide inter-packet interleaving, the method comprising the following steps:

inputting data of a first packet, said first packet data comprising a plurality of symbols;

inputting data of a second packet, said second packet data comprising a plurality of symbols;

utilizing a plurality of modulation codes to transmit the plurality of first packet data symbols and the plurality of second packet data symbols;

delaying the transmission of successive ones of said first packet data symbols over time; and

delaying the transmission of successive ones of said second packet data symbols over time, wherein the step of delaying the transmission of successive ones of said first packet data symbols and the step of delaying the transmission of successive ones of said second data packet results in a non-hierarchical construction;

such that during at least one symbol period, said modulation codes are transmitting at least one first packet data symbol and at least one second packet data symbol.

13. (Original) The method of claim 12, wherein said plurality of modulation codes comprise a set of orthogonal modulation codes.





